

Appl. No. 10/641,303
Amdt. dated May 24, 2004
Reply to Office action of April 28, 2004

Amendments to the Claims:

This listing of claims will replace the listing of the claims in the application

Listing of Claims:

Claims 1-20 (Canceled)

21. (Previously Presented) A process for producing ethylene, propylene and gasoline boiling range fuel product, the process comprising the steps of
- i) providing methanol to a refinery comprising a FCC unit and an alkylation unit;
 - ii) producing ethylene, propylene and butene in the FCC unit;
 - iii) isolating ethylene and propylene produced in the FCC unit from butenes produced in the FCC unit;
 - iv) converting the methanol to olefins comprising ethylene, propylene and butenes;
 - v) isolating butenes produced in the step of converting from ethylene and propylene produced in the step of converting; and
 - vi) supplying butene produced in the converting step and butene produced in the FCC unit to the alkylation unit to produce the gasoline boiling range fuel product.
22. (Previously Presented) The process of claim 21, which further comprises collecting individual streams of the ethylene, propylene, and gasoline boiling range fuel product.
23. (Previously Presented) The process of claim 21, wherein the gasoline boiling range fuel product forms a first gasoline boiling range product stream containing less than 10 ppm sulfur.
24. (Previously Presented) The process of claim 23, which further comprises blending the gasoline boiling range product stream with a second gasoline boiling range product stream which contains at least 10 ppm sulfur to provide a mixed gasoline boiling range product stream having a reduced sulfur content compared to the second gasoline boiling range product stream.

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25. (Previously Presented) The process of claim 21 wherein the step of converting the methanol is carried out by a methanol to olefin process.
26. (Previously Presented) The process of claim 21 wherein the step of converting the methanol is carried out in the presence of a shape-selective crystalline silicate catalyst selected from the group consisting of ZSM-5, ZSM-11, ZSM-12, ZSM-23, ZSM-35, ZSM-48, MCM-22, SAPO-18, and SAPO-34.
27. (Previously Presented) The process of claim 21 wherein the step of converting the methanol is carried out in the presence of a shape-selective ZSM-5 crystalline silicate catalyst.
28. (Previously Presented) The process of claim 21 wherein the step of converting the methanol is carried out in the presence of a SAPO-34 crystalline silicate catalyst.
29. (Previously Presented) The process of claim 21 wherein the converting the methanol is carried out in the presence of a SAPO-18 crystalline silicate catalyst.